

CLAIMS

1. A fiber-made surface fastener having a multiplicity of engaging elements, which are woven or knitted simultaneously with weaving or knitting of substrate woven or knitted fabric (10) composed of a ground weave and project from a surface of the woven or knitted fabric (10), characterized in that partial warp yarns (15, 114, 115) of warp yarns (11 to 17, 111, 114, 115) constituting the ground weave are woven or knitted such that they are floating from a rear surface of the substrate woven or knitted fabric (10) while the same partial warp yarns (15, 114, 115) cover a substantially entire surface of the rear surface of the same substrate woven or knitted fabric (10, 110).

2. The fiber-made surface fastener according to claim 1, wherein the partial warp yarns (15, 114, 115) are finished yarns.

3. The fiber-made surface fastener according to claim 2, wherein the finished yarns (15, 114, 115) are bulky finished yarns of multifilaments.

4. The fiber-made surface fastener according to claim 2 or 3, wherein a weight ratio of the finished yarns (15, 114, 115) to the warp yarns (11 to 17, 111, 114, 115) constituting the woven or knitted fabric is 35 to 60%.

5. The fiber-made surface fastener according to claim 1, wherein the warp yarns (11 to 17, 111, 114, 115) constituting the ground weave include hot melting yarns (16, 17) having a

lower melting point than a material of other composition yarns, and yarns in surrounding portions of the hot melting yarns are joined each other through a material of the hot melting yarns which is melted by heat treatment.

6. The fiber-made surface fastener according to claim 2 or 3, wherein the number of floating in an ear portion (B) of the finished yarns (15, 114, 115), each of which strides over one or more weft yarns (19, 113) or the warp yarns (11 to 15, 111, 114, 115) in the substrate woven or knitted fabric (10) and floats on the rear surface, is twice or more with respect to the number of floating in a main body portion (A).

7. The fiber-made surface fastener according to claim 1 or 2, wherein the engaging elements are loop-like female engaging elements composed of multifilaments.

8. The fiber-made surface fastener according to claim 1 or 3, wherein the engaging elements are hook-like or mushroom-like male engaging elements composed of monofilament.

9. The fiber-made surface fastener according to claim 1 or 2, wherein loop-like female engaging elements composed of multifilaments and hook-like or mushroom-like male engaging elements composed of monofilament are formed mixedly on the surface of the substrate woven or knitted fabric (10).